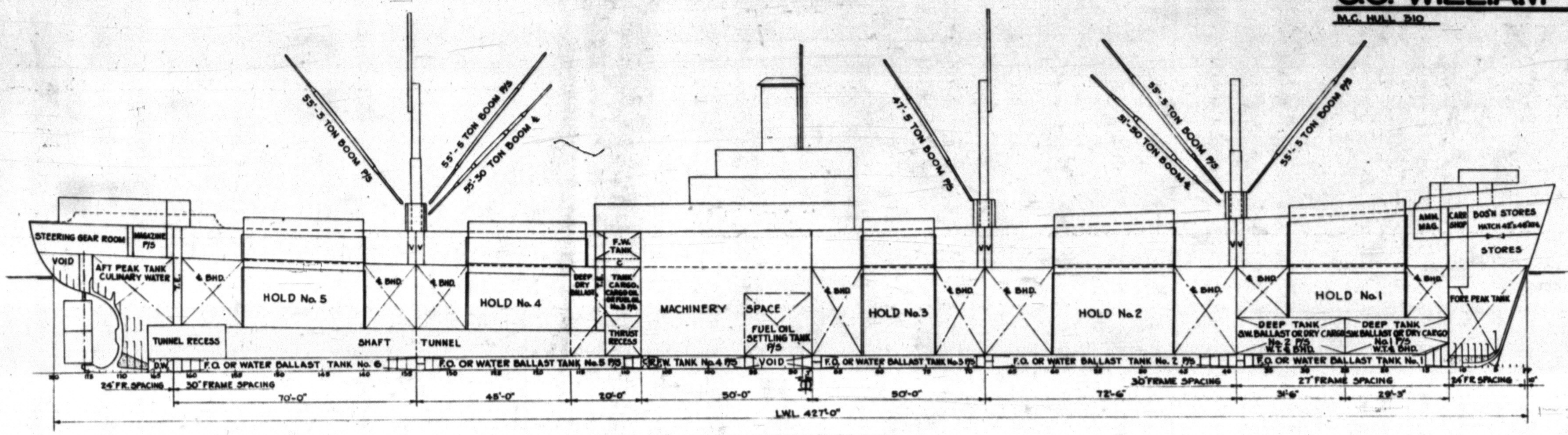
S.S. WILLIAM GRAYSON

M.C. HULL 310

B.F. HULL 2060



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T.H. — TRIMMING HATCH
D.W. — DRAIN WELL
S.W. — STEAM WINCH
V. — VENT TRUNK
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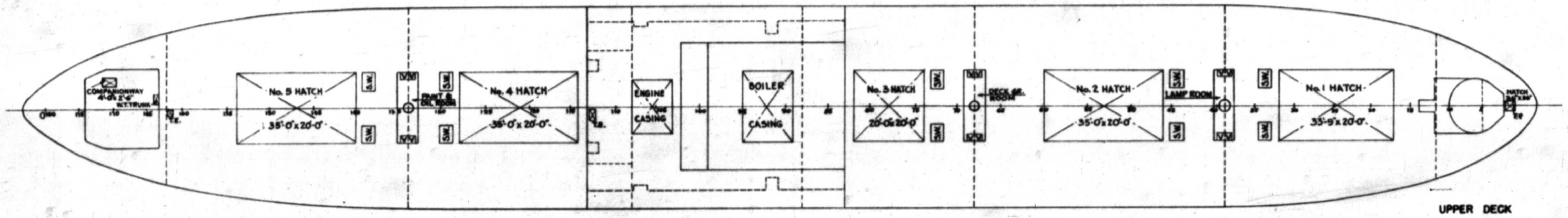
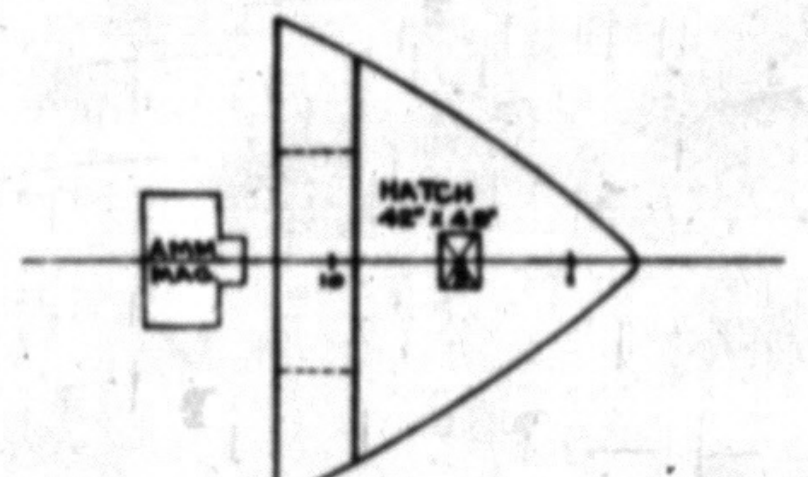
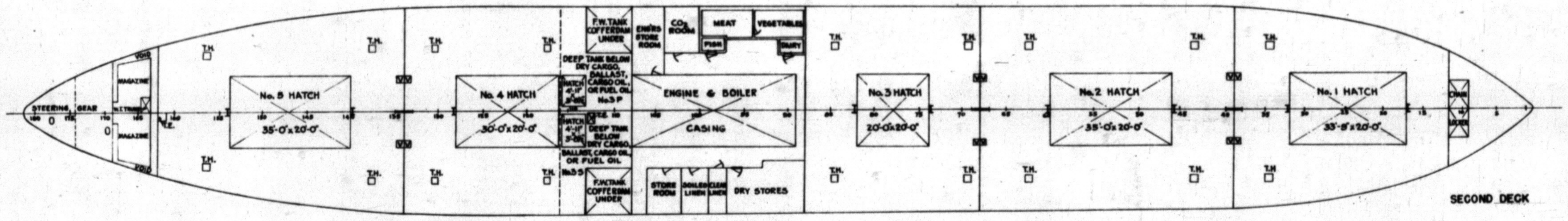


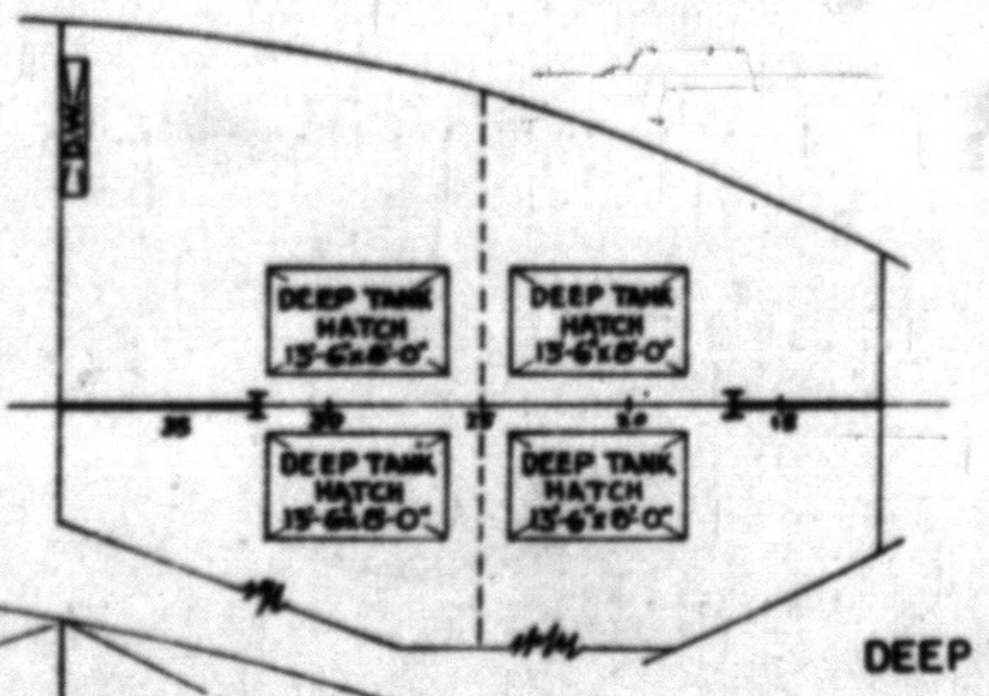
UPPER DECK



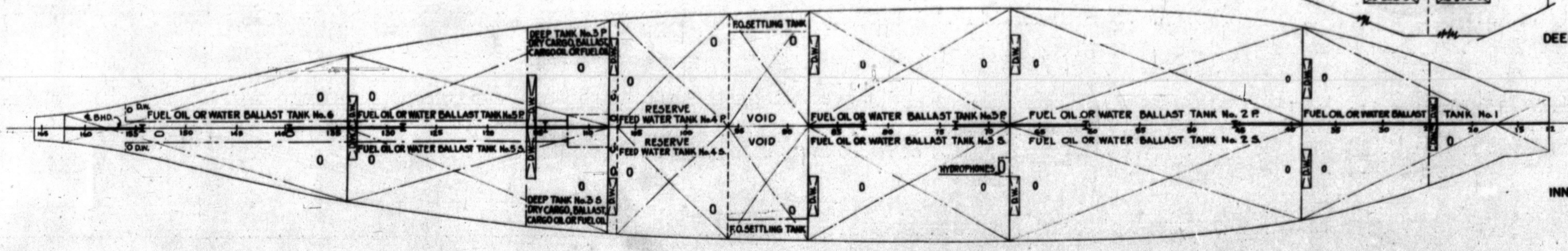
FLAT BET. 2nd & UPPER DKS.



SECOND DECK



DEEP TANK TOP


℄ BHD.
FUEL OIL OR WATER BALLAST TANK No. 6
FUEL OIL OR WATER BALLAST TANK No. 5 P.
FUEL OIL OR WATER BALLAST TANK No. 5 S.
DEEP TANK No. 3 P. DRY CARGO, BALLAST, CARGO OIL OR FUEL OIL
DEEP TANK No. 3 S. DRY CARGO, BALLAST, CARGO OIL OR FUEL OIL
RESERVE FEED WATER TANK No. 4 P.
RESERVE FEED WATER TANK No. 4 S.
F.O. SETTLING TANK
VOID
VOID
F.O. SETTLING TANK
FUEL OIL OR WATER BALLAST TANK No. 3 P.
FUEL OIL OR WATER BALLAST TANK No. 3 S.
HYDROPHONES
FUEL OIL OR WATER BALLAST TANK No. 2 P.
FUEL OIL OR WATER BALLAST TANK No. 2 S.
FUEL OIL OR WATER BALLAST
TANK No. 1

INNER BOTTOM

STORES

STORE ROOM	CU. FT.
BOS'N. STORES ON 2nd DECK F.P. TO FR. 12	3034
BOS'N. STORES ON FLAT BET. 2nd & UPP. DKS.	3492
CABIN STORES 2nd DK. (FRS. 88-106)	4329
LINEN LOCKER	585
BONDED STORES	186
REFRIGERATED STORES:	
MEAT	801
FISH	173
VEGETABLES	768
DAIRY	176

CARGO

COMPARTMENT			GRAIN CAP.	BALE CAP.
HOLD	No. 1		C.F.	C.F.
		HOLD	41257	36083
		TWEEN DECKS	43143	39565
HOLD	No. 2			
		HOLD	98860	92008
		TWEEN DECKS	46744	42630
HOLD	No. 3			
		HOLD	68459	59793
		TWEEN DECKS	27970	23904
HOLD	No. 4			
		HOLD	58841	52574
		TWEEN DECKS	35277	29689
HOLD	No. 5			
		HOLD	58620	51571
		TWEEN DECKS	34570	30864
DEEP	TANKS	No. 1P.	3639	2729
"	"	No. 1S.	3639	3004
"	"	No. 2P.	7473	5294
"	"	No. 2S.	7473	5578
"	"	No. 3P.	13674	12506
"	"	No. 3S.	13188	12024
		TOTAL	562827	499816

WATER BALLAST

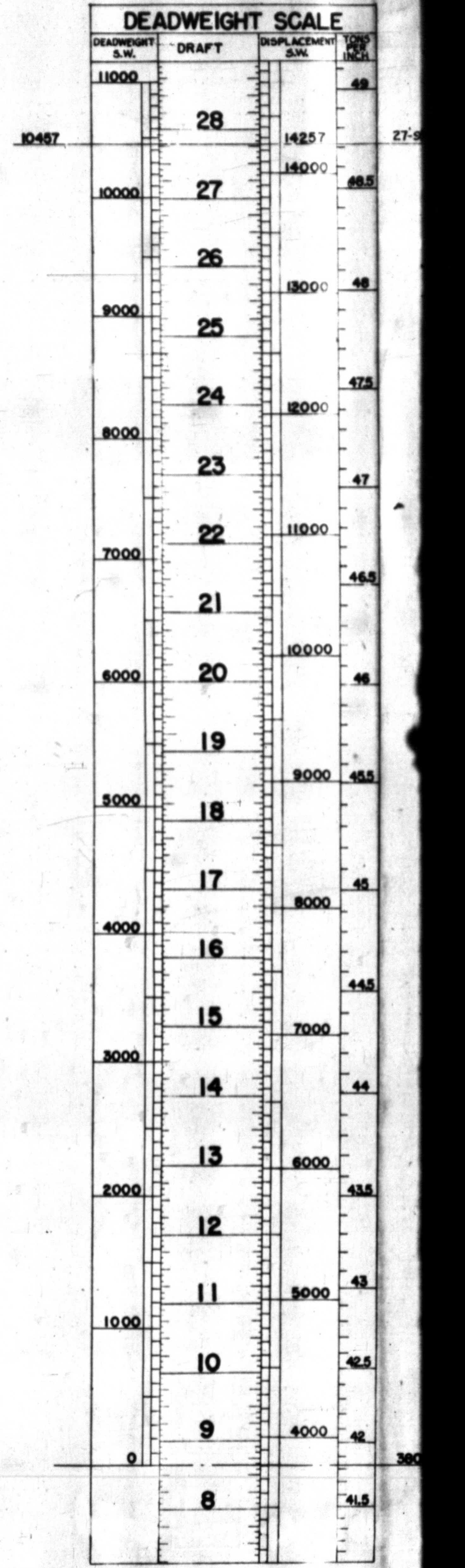
TANK			CU. FT.	TONS @ 35 C.F.
FORE PEAK			5073	145
WATER	BALLAST	No. 1	5029	144
"	"	No. 2P.	5967	170
"	"	No. 2S.	5967	170
"	"	No. 3P.	4400	126
"	"	No. 3S.	4365	125
"	"	No. 5P.	4391	125
"	"	No. 5P.	4391	125
"	"	No. 6	4118	118
AFTER PEAK-CULINARY WATER			5438	155
DEEP	TANKS	No. 1P.	3973	114
"	"	No. 1S.	3973	114
"	"	No. 2P.	7340	210
"	"	No. 2S.	7340	210
"	"	No. 3P.	13540	387
"	"	No. 3S.	13065	373
		TOTAL	98370	2811

FRESH WATER

TANK			GAL'S	TONS @ 35 C.F.
RESERVE	FEED	No. 4P.	17855	66
"	"	No. 4S	17855	66
FRESH	WATER	FR. 108-113P.	7541	28
"	"	FR. 108-113S.	7541	28
		TOTAL	50792	188

FUEL OIL

TANK			GAL'S	TONS @ 37.23 C.F.
FUEL OIL	TANK	No. 1	36863	132
" "	"	No. 2P.	43742	157
" "	"	No. 2S.	43742	157
" "	"	No. 3P.	32251	116
" "	"	No. 3S.	31955	115
" "	"	No. 5P.	32185	116
" "	"	No. 5S.	32185	116
" "	"	No. 6	30183	108
		TOTAL	283106	1017
F.O. SETTLING	TANK	FR. 88-96P.	14083	51
" "	"	FR. 88-96S.	14083	51
		TOTAL	28166	102
CARGO OIL OR FUEL OIL				
DEEP	TANK	No. 3P.	99257	356
"	"	No. 3S.	95772	344
		TOTAL	195029	700
		TOTAL (ALL F.O.)	506301	1819



PRINCIPAL DIMENSIONS

L.O.A. .... 441'-7½"
L.B.P. (25'-3¾" W.L.) .... 416'-0"
BREADTH, MLD. .... 56'-10¾"
BREADTH, EXTREME .... 57'-1¼"
DEPTH TO UPPER DECK, MLD. .... 37'-4"
DEPTH TO SECOND DECK, MLD. .... 28'-7"
DRAFT .... 27'-9¼"

CAPACITIES & TYPES OF WINCHES

7"x12" DBL. GEARED WINCHES FOR 5 & 30 TON BOOMS
9"x12" " " WINCH FOR 50 TON BOOM

HEIGHTS OF MASTS

FIXED MAST ABOVE DECK	FOREMAST	40'-3⅝"
" " " "	FR. 68	42'-11³⁄₁₆"
" " " "	FR. 134	42'-2⁷⁄₁₆"
TELESCOPIC " " "	FR. 68	62'-11³⁄₁₆"
" " " "	FR. 134	62'-2⁷⁄₁₆"

ENGINE

DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 76 R.P.M.

BOILERS

TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER "C" FUEL OIL

Nº	ALTERATION	DATE	REMARKS
1	CORRECTED DEAD WEIGHT SCALE IN ACCORDANCE WITH CHANGES MADE AFTER SHIP WAS DELIVERED	9-14-42 L.F.H.	

S.S. WILLIAM GRAYSON

M.C. HULL 310

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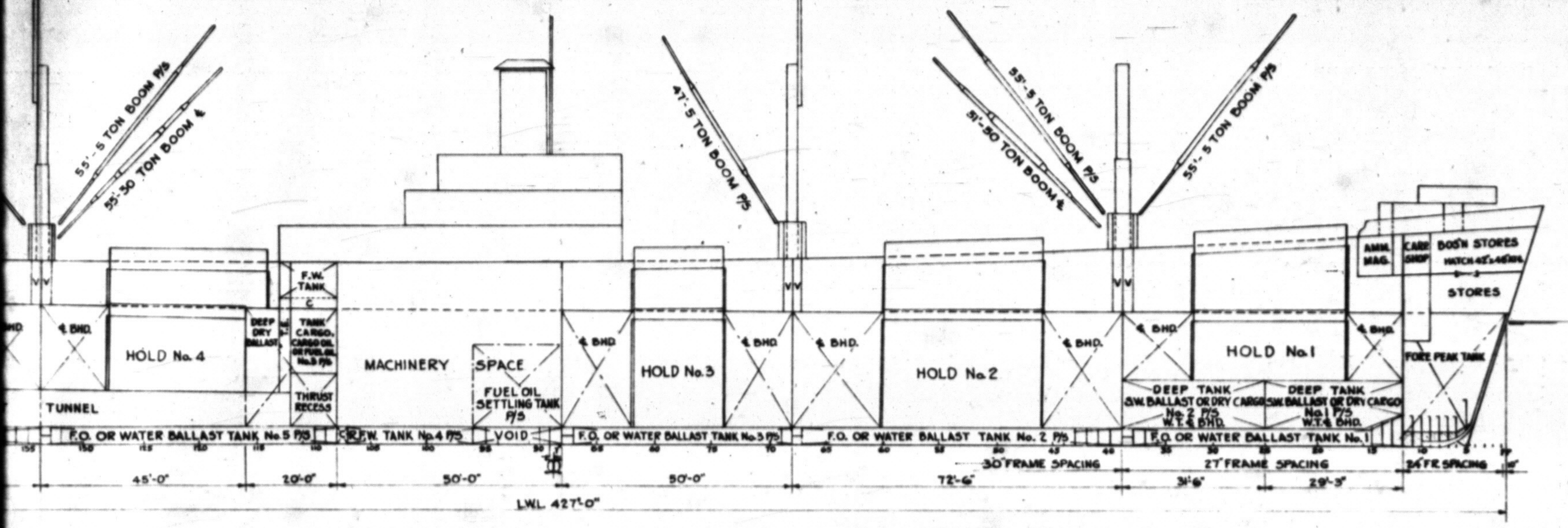

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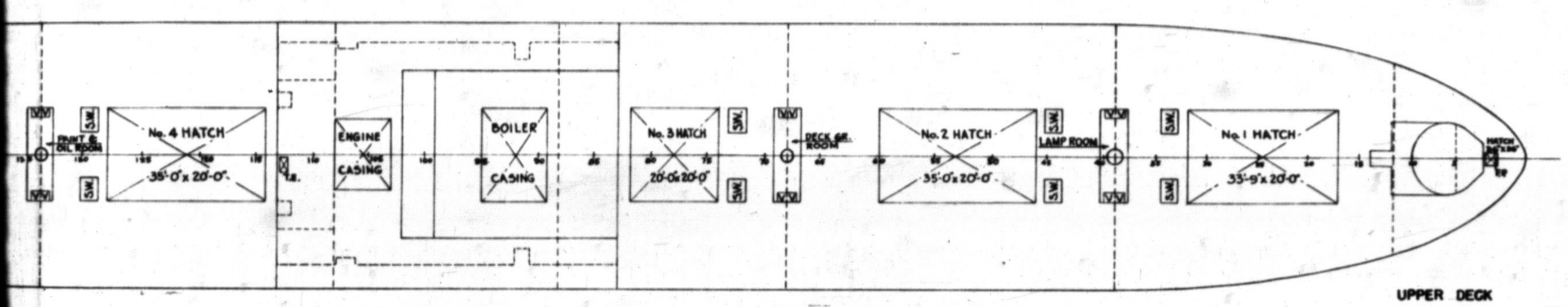

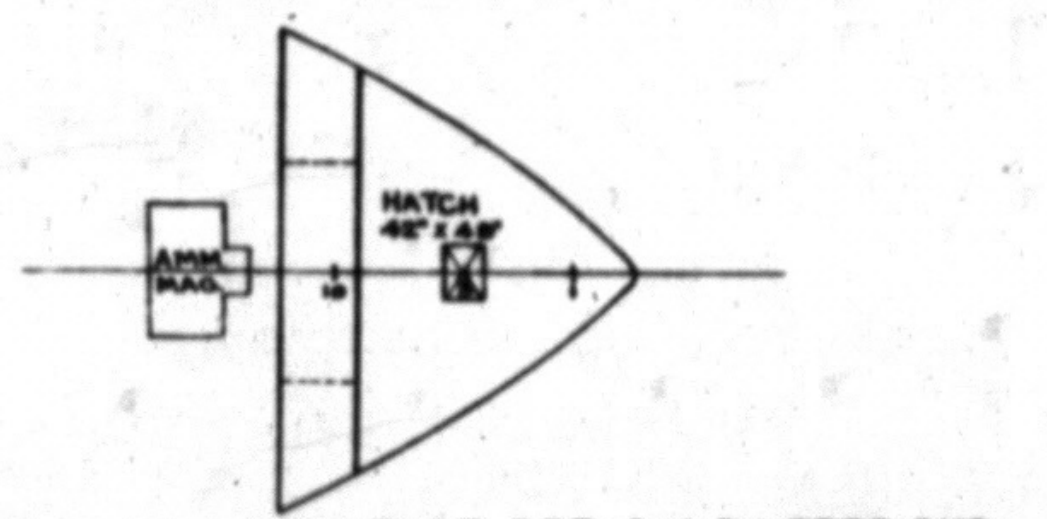

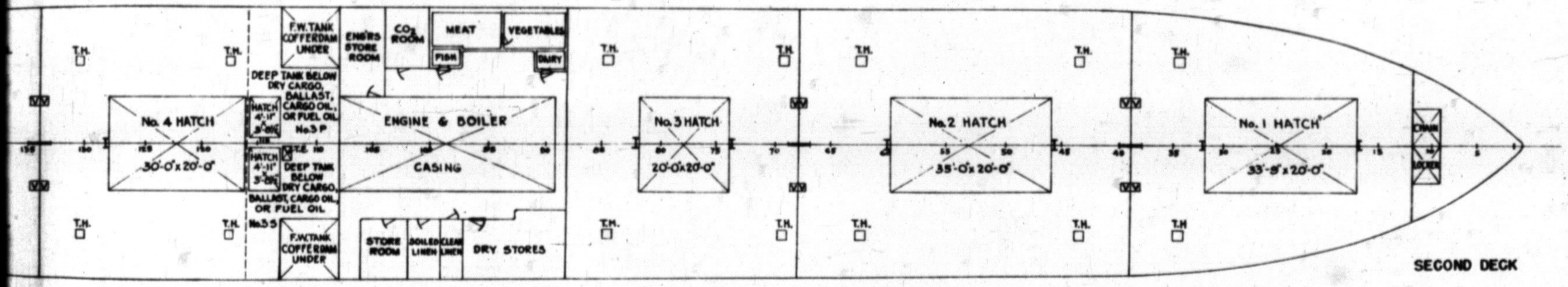

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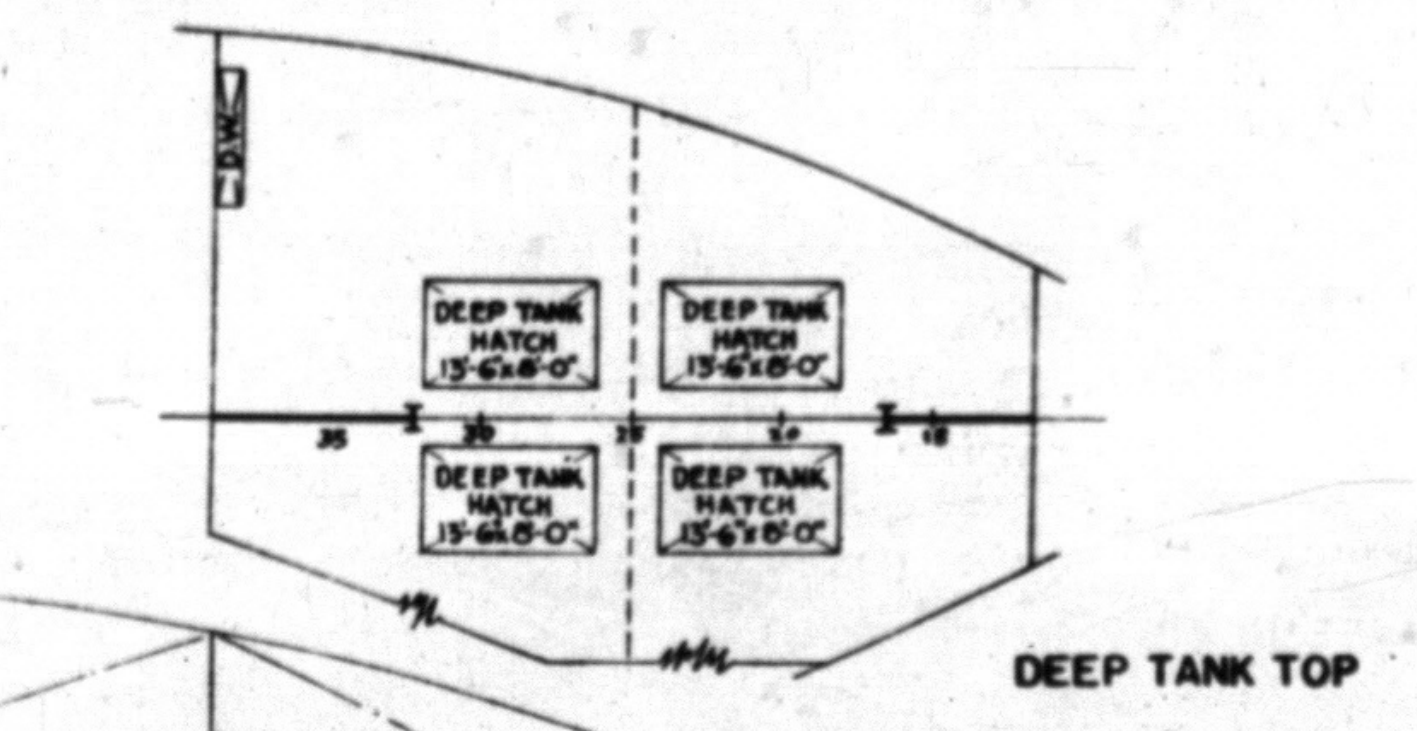

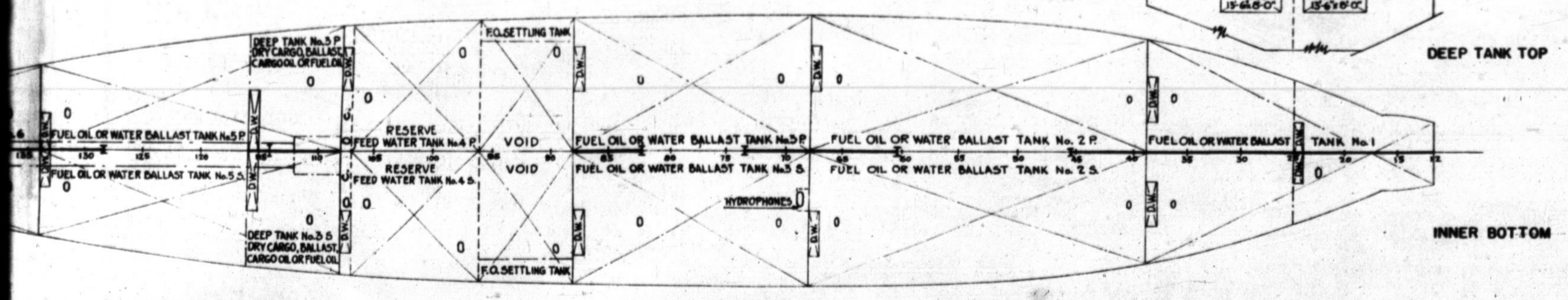

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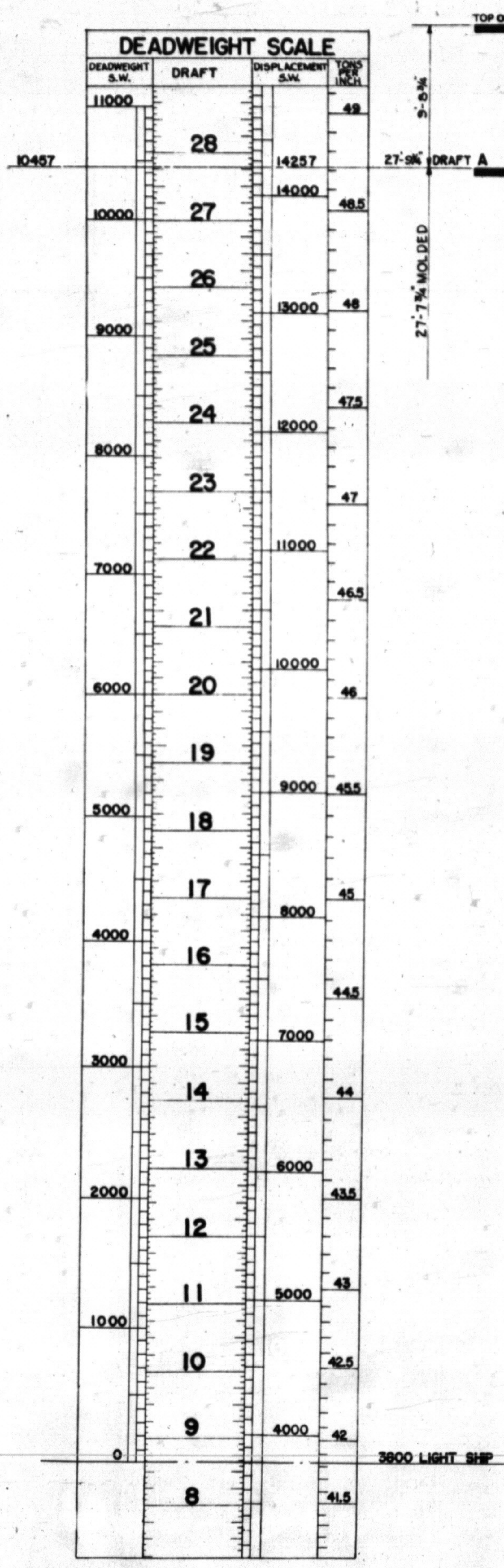

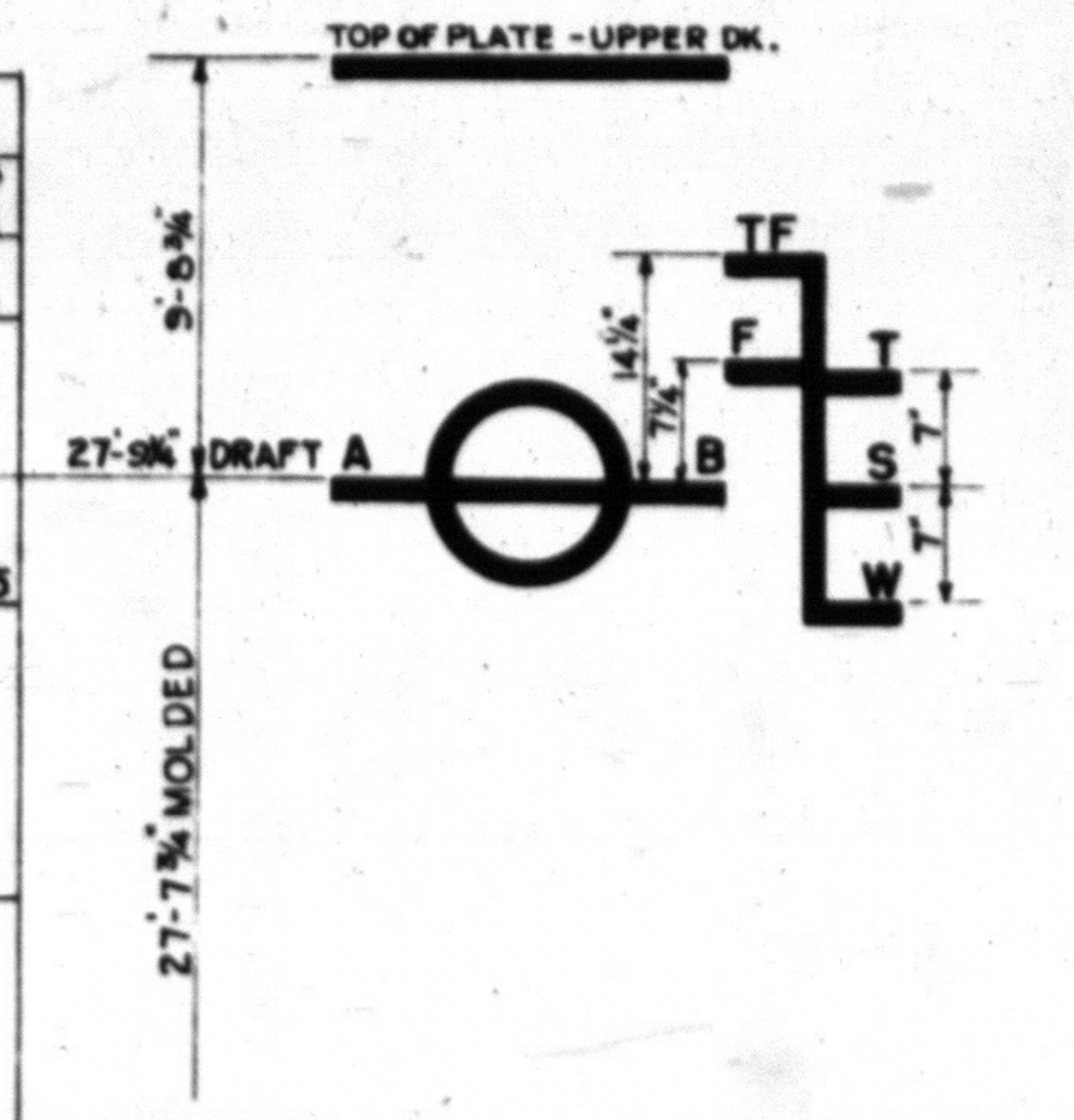

NOTE:
THE LIGHT WEIGHT OF THE SHIP GIVEN, INCLUDES: GUNS, AMMUNITION & BALLAST.

DESIGN NO. EC2-S-C1

UNITED STATES MARITIME COMMISSION
EMERGENCY SHIP CONTRUCTION DIVISION

CAPACITY PLAN

SCALE 1/16" = 1'-0"
DATE SEPTEMBER 10, 1942
DRAWN P.E.R.
TRACED
CHECKED E.F.C.
APPROVED E.F.C.
APPROVED
APPROVED

BETHLEHEM-FAIRFIELD SHIPYARD, INCORPORATED
FAIRFIELD BALTIMORE, MD.

M.C.E. PLAN Nº 14-63 301-312 S29-1-1-58

APPROVED AS NOTED IN
M.C.E. LETTER DATED October 20, 1942
M.C.E. FILE NO. S29-(H)
BY W. H. [illegible]
BY